



SEQUENCE LISTING

<110> LI, JING
POWERS, SCOTT
SIN, WUN CHEY
YANG, JIANXIN

<120> AMPLIFIED GENES INVOLVED IN CANCER

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<140> 10/715,117

<141> 2003-11-18

<150> 60/427,202

<151> 2002-11-19

<150> 60/434,434

<151> 2002-12-19

<160> 99

<170> PatentIn Ver. 3.2

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<212> DNA

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<212> PRT

<213> Homo sapiens

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Val Leu Leu Asn Pro Arg Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe
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Arg Ser His Val Gln Pro Leu Ala Glu Ala Glu Ile Ser Phe Thr
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Leu Met Leu Thr Glu Arg Arg Asn His Ala Arg Glu Leu Val Arg Ser
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Glu Glu Leu Gly Arg Trp Asp Ala Leu Val Val Met Ser Gly Asp Gly
      85              90              95

Leu Met His Glu Val Val Asn Gly Leu Met Glu Arg Pro Asp Trp Glu
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Thr Ala Ile Gln Lys Pro Leu Cys Ser Leu Pro Ala Gly Ser Gly Asn
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Ala Leu Ala Ala Ser Leu Asn His Tyr Ala Gly Tyr Glu Gln Val Thr
      130             135             140

Asn Glu Asp Leu Leu Thr Asn Cys Thr Leu Leu Leu Cys Arg Arg Leu
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Leu Ser Pro Met Asn Leu Leu Ser Leu His Thr Ala Ser Gly Leu Arg
      165             170             175

Leu Phe Ser Val Leu Ser Leu Ala Trp Gly Phe Ile Ala Asp Val Asp
      180             185             190

Leu Glu Ser Glu Lys Tyr Arg Arg Leu Gly Glu Met Arg Phe Thr Leu
      195             200             205

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Gly Thr Phe Leu Arg Leu Ala Ala Leu Arg Thr Tyr Arg Gly Arg Leu
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 Ala Tyr Leu Pro Val Gly Arg Val Gly Ser Lys Thr Pro Ala Ser Pro
 225 230 235 240
 Val Val Val Gln Gln Gly Pro Val Asp Ala His Leu Val Pro Leu Glu
 245 250 255
 Glu Pro Val Pro Ser His Trp Thr Val Val Pro Asp Glu Asp Phe Val
 260 265 270
 Leu Val Leu Ala Leu Leu His Ser His Leu Gly Ser Glu Met Phe Ala
 275 280 285
 Ala Pro Met Gly Arg Cys Ala Ala Gly Val Met His Leu Phe Tyr Val
 290 295 300
 Arg Ala Gly Val Ser Arg Ala Met Leu Leu Arg Leu Phe Leu Ala Met
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 Glu Lys Gly Arg His Met Glu Tyr Glu Cys Pro Tyr Leu Val Tyr Val
 325 330 335
 Pro Val Val Ala Phe Arg Leu Glu Pro Lys Asp Gly Lys Gly Val Phe
 340 345 350
 Ala Val Asp Gly Glu Leu Met Val Ser Glu Ala Val Gln Gly Gln Val
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<210> 3

<211> 1197

<212> DNA

<213> Homo sapiens

<400> 3

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<212> PRT

<213> Homo sapiens

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Tyr Asn Asn Ser Gly Lys Glu Leu Ser Ser His Trp Arg Pro Lys Asp
      20             25             30

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Val Val Val Val Ala Leu Gly Leu Thr Val Ser Val Leu Val Leu Leu
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 Gln Pro Ile Tyr Tyr Leu Leu Gly Asn Leu Ala Ala Ala Asp Leu Phe
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 Ala Gly Val Ala Tyr Leu Phe Leu Met Phe His Thr Gly Pro Arg Thr
 85 90 95
 Ala Arg Leu Ser Leu Glu Gly Trp Phe Leu Arg Gln Gly Leu Leu Asp
 100 105 110
 Thr Ser Leu Thr Ala Ser Val Ala Thr Leu Leu Ala Ile Ala Val Glu
 115 120 125
 Arg His Arg Ser Val Met Ala Val Gln Leu His Ser Arg Leu Pro Arg
 130 135 140
 Gly Arg Val Val Met Leu Ile Val Gly Val Trp Val Ala Ala Leu Gly
 145 150 155 160
 Leu Gly Leu Leu Pro Ala His Ser Trp His Cys Leu Cys Ala Leu Asp
 165 170 175
 Arg Cys Ser Arg Met Ala Pro Leu Leu Ser Arg Ser Tyr Leu Ala Val
 180 185 190
 Trp Ala Leu Ser Ser Leu Leu Val Phe Leu Leu Met Val Ala Val Tyr
 195 200 205
 Thr Arg Ile Phe Phe Tyr Val Arg Arg Arg Val Gln Arg Met Ala Glu
 210 215 220
 His Val Ser Cys His Pro Arg Tyr Arg Glu Thr Thr Leu Ser Leu Val
 225 230 235 240
 Lys Thr Val Val Ile Ile Leu Gly Ala Phe Val Val Cys Trp Thr Pro
 245 250 255
 Gly Gln Val Val Leu Leu Leu Asp Gly Leu Gly Cys Glu Ser Cys Asn
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 Val Leu Ala Val Glu Lys Tyr Phe Leu Leu Leu Ala Glu Ala Asn Ser
 275 280 285
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 290 295 300
 Thr Phe Arg Arg Leu Leu Cys Cys Ala Cys Leu Arg Gln Ser Thr Arg
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 <213> Homo sapiens

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 35 40 45
 Val Glu Asn Leu Leu Val Leu Ile Ala Val Ala Arg Asn Ser Lys Phe
 50 55 60
 His Ser Ala Met Tyr Leu Phe Leu Gly Asn Leu Ala Ala Ser Asp Leu
 65 70 75 80
 Leu Ala Gly Val Ala Phe Val Ala Asn Thr Leu Leu Ser Gly Ser Val
 85 90 95

Thr Leu Arg Leu Thr Pro Val Gln Trp Phe Ala Arg Glu Gly Ser Ala
 100 105 110
 Ser Ile Thr Leu Ser Ala Ser Val Phe Ser Leu Leu Ala Ile Ala Ile
 115 120 125
 Glu Arg His Val Ala Ile Ala Lys Val Lys Leu Tyr Gly Ser Asp Lys
 130 135 140
 Ser Cys Arg Met Leu Leu Leu Ile Gly Ala Ser Trp Leu Ile Ser Leu
 145 150 155 160
 Val Leu Gly Gly Leu Pro Ile Leu Gly Trp Asn Cys Leu Gly His Leu
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 Glu Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys His Tyr Val Leu
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 Cys Val Val Thr Ile Phe Ser Ile Ile Leu Leu Ala Ile Val Ala Leu
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 Tyr Val Arg Ile Tyr Cys Val Val Arg Ser Ser His Ala Asp Met Ala
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 Ala Pro Gln Thr Leu Ala Leu Leu Lys Thr Val Thr Ile Val Leu Gly
 225 230 235 240
 Val Phe Ile Val Cys Trp Leu Pro Ala Phe Ser Ile Leu Leu Leu Asp
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 Tyr Ala Cys Pro Val His Ser Cys Pro Ile Leu Tyr Lys Ala His Tyr
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 Phe Phe Ala Val Ser Thr Leu Asn Ser Leu Leu Asn Pro Val Ile Tyr
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 Thr Trp Arg Ser Arg Asp Leu Arg Arg Glu Val Leu Arg Pro Leu Gln
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<210> 9
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 <212> PRT
 <213> Homo sapiens

<400> 9

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35 40 45

Phe Ile Val Leu Glu Asn Leu Ala Val Leu Leu Val Leu Gly Arg His
50 55 60

Pro Arg Phe His Ala Pro Met Phe Leu Leu Leu Gly Ser Leu Thr Leu
65 70 75 80

Ser Asp Leu Leu Ala Gly Ala Ala Tyr Ala Ala Asn Ile Leu Leu Ser
85 90 95

Gly Pro Leu Thr Leu Lys Leu Ser Pro Ala Leu Trp Phe Ala Arg Glu
100 105 110

Gly Gly Val Phe Val Ala Leu Thr Ala Ser Val Leu Ser Leu Leu Ala
115 120 125

Ile Ala Leu Glu Arg Ser Leu Thr Met Ala Arg Arg Gly Pro Ala Pro
130 135 140

| | | | | | | | | | | | | | | | |
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| 145 | | | | | 150 | | | | | 155 | | | | | 160 |

Val Ser Leu Leu Leu Gly Leu Leu Pro Ala Leu Gly Trp Asn Cys Leu
165 170 175

Gly Arg Leu Asp Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys Ala
180 185 190

Tyr Val Leu Phe Cys Val Leu Ala Phe Val Gly Ile Leu Ala Ala Ile
195 200 205

Cys Ala Leu Tyr Ala Arg Ile Tyr Cys Gln Val Arg Ala Asn Ala Arg
210 215 220

Arg Leu Pro Ala Arg Pro Gly Thr Ala Gly Thr Thr Ser Thr Arg Ala
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Arg Arg Lys Pro Arg Ser Leu Ala Leu Leu Arg Thr Leu Ser Val Val
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Leu Asp Val Ala Cys Pro Ala Arg Thr Cys Pro Val Leu Leu Gln Ala
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Asp Pro Phe Leu Gly Leu Ala Met Ala Asn Ser Leu Leu Asn Pro Ile
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Ile Tyr Thr Leu Thr Asn Arg Asp Leu Arg His Ala Leu Leu Arg Leu
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Val Cys Cys Gly Arg His Ser Cys Gly Arg Asp Pro Ser Gly Ser Gln
 325 330 335

Gln Ser Ala Ser Ala Ala Glu Ala Ser Gly Gly Leu Arg Arg Cys Leu
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Pro Pro Gly Leu Asp Gly Ser Phe Ser Gly Ser Glu Arg Ser Ser Pro
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<212> DNA

<213> Homo sapiens

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<210> 11
 <211> 19
 <212> DNA
 <213> Homo sapiens

 <400> 11
 ggtcggttgc ggacgtggc 19

 <210> 12
 <211> 19
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

 <400> 12
 ggucgguugc ggacguggc 19

 <210> 13
 <211> 19
 <212> DNA
 <213> Homo sapiens

 <400> 13
 gctcccgcgg ccctgccgc 19

 <210> 14
 <211> 19
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

 <400> 14
 gcucccgagg ccugccgc 19

 <210> 15
 <211> 19
 <212> DNA
 <213> Homo sapiens

 <400> 15
 gggcaaggcc ttgcagctc 19

<210> 16
 <211> 19
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 16
 gggcaaggcc uugcagcuc 19

<210> 17
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 17
 ccacgcgcgg gagctggtg 19

<210> 18
 <211> 19
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 18
 ccacgcgcgg gagcuggug 19

<210> 19
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 19
 gcccctgtgt agcctccca 19

<210> 20
 <211> 19
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 20
gccccugugu agccuccca 19

<210> 21
<211> 19
<212> DNA
<213> Homo sapiens

<400> 21
gccaccgcca gaagagccc 19

<210> 22
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
siRNA sequence

<400> 22
gccaccgcca gaagagccc 19

<210> 23
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
termination sequence

<400> 23
aaaaaaa 6

<210> 24
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative
nucleotide loop sequence

<400> 24
gaagcttg 8

<210> 25
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 25
 ggtgtttcgt cctttccaca a 21

<210> 26
 <211> 48
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Combined DNA/RNA Molecule:
 Synthetic hairpin construct

<220>
 <223> Description of Artificial Sequence: Synthetic
 hairpin construct

<400> 26
 gccacgtccg caaccgaccg aagcuugggt cggttgcgga cgtggcuu 48

<210> 27
 <211> 52
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 model nucleotide sequence

<400> 27
 gccacgtccg caaccgaccg aagcttgggt cggttgcgga cgtggctttt tt 52

<210> 28
 <211> 52
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 28
 aaaaaagcca cgtccgcaac cgaccaagc ttcggtcggt tgcggacgtg gc 52

<210> 29
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
nucleotide hairpin sequence

<400> 29
aaaaaagcca cgtccgcaac cgaccaagc ttcggtcggt tgcggacgtg gcggtgtttc 60
gtcctttcca caa 73

<210> 30
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 30
aaaaaagcca cgtccgcaac cgaccaagc ttcggtcggt tgcggacgtg gcggtgtttc 60
gtcctttcca caa 73

<210> 31
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 31
aaaaaagcgg cagggccgcg ggagccaagc ttcgtcccg cggccctgcc gcggtgtttc 60
gtcctttcca caa 73

<210> 32
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 32
 aaaaaagagc tgcaaggcct tgccccaagc ttcgggcaag gccttgcagc tcggtgtttc 60
 gtcctttcca caa 73

<210> 33
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 33
 gggcaaggcc ttgcagctc 19

<210> 34
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 34
 aaaaaacacc agctcccgcg cgtggcaagc ttccacgcg cgggagctgg tgggtgtttc 60
 gtcctttcca caa 73

<210> 35
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 35
 ccacgcgcgg gagctggtg 19

<210> 36
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 36
 aaaaaatggg aggctactct ggggccaagc ttcgcccctg tgtagcctcc cagggtgtttc 60
 gtcctttcca caa 73

<210> 37
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 37
 gccctgtgt agcctcca

19

<210> 38
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 38
 aaaaaagggc tcttctggcg gtggccaagc ttcgccaccg ccagaagagc ccggtgtttc 60
 gtcctttcca caa 73

<210> 39
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 39
 gccaccgcca gaagagccc

19

<210> 40
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 40
 gccagtgcta ctacaacgag accatcggc

29

<210> 41
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 41
 gccagugcua cuacaacgag accaucggc

29

<210> 42
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 42
 ggcaaagagc tcagctccca ctggcggcc 29

<210> 43
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 43
 ggcaaagagc ucagcuccca cuggcggcc 29

<210> 44
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 44
 gtgctgctga ccaatctgct ggtcatagc 29

<210> 45
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 45
 gugcugcuga ccaaucugcu ggucauagc 29

<210> 46
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 46
 gctggttcct gcggcagggc ttgctggac 29

<210> 47
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 47
 gcugguuccu gcggcagggc uugcuggac 29

<210> 48
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 48
 gaacggccac ccactgatgg actccaccc 29

<210> 49
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 49
 gaacggccac ccacugaugg acuccaccc 29

<210> 50
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Combined DNA/RNA Molecule:
 Synthetic hairpin construct

<220>

<223> Description of Artificial Sequence: Synthetic
 hairpin construct

<400> 50
 gccgatggtc tcgtttagt agcactggcg aagcuuggcc agtgctacta caacgagacc 60
 atcggcuu 68

<210> 51
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
model nucleotide sequence

<400> 51
gccgatggtc tcgtttagt agcactggcg aagcttggcc agtgctacta caacgagacc 60
atcggctttt tt 72

<210> 52
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 52
aaaaaagccg atggtctcgt tgtagtagca ctggccaagc ttcgccagtg ctactacaac 60
gagaccatcg gc 72

<210> 53
<211> 93
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
nucleotide hairpin sequence

<400> 53
aaaaaagccg atggtctcgt tgtagtagca ctggccaagc ttcgccagtg ctactacaac 60
gagaccatcg gcggtgtttc gtcctttcca caa 93

<210> 54
<211> 93
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 54
aaaaaaggcc gccagtggga gctgagctct ttgcccaagc ttcggcaaag agctcagctc 60
ccactggcgg ccggtgtttc gtcctttcca caa 93

<210> 55
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 55
 ggcaaagagc tcagctccca ctggcggcc 29

<210> 56
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 56
 aaaaaagcta tgaccagcag attggtcagc agcaccaagc ttcgtgctgc tgaccaatct 60
 gctggtcata gcggtgtttc gtcctttcca caa 93

<210> 57
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 57
 gtgctgctga ccaatctgct ggtcatagc 29

<210> 58
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 58
 aaaaaagacc agcaagccct gccgcaggaa ccagccaagc ttcgttggtt cctgcggcag 60
 ggcttgctgg acggtgtttc gtcctttcca caa 93

<210> 59
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 59
gctggttcct gcggcagggc ttgctggac 29

<210> 60
<211> 93
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 60
aaaaaagggt ggagtccatc agtgggtggc cgttccaagc ttcgaacggc caccactga 60
tggaactccac ccggtgtttc gtcctttcca caa 93

<210> 61
<211> 29
<212> DNA
<213> Homo sapiens

<400> 61
gaacggccac ccactgatgg actccaccc 29

<210> 62
<211> 29
<212> DNA
<213> Homo sapiens

<400> 62
tgggcagctt gtactcggag tacctgaac 29

<210> 63
<211> 29
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
siRNA sequence

<400> 63
ugggcagcuu guacucggag uaccugaac 29

<210> 64
<211> 29
<212> DNA
<213> Homo sapiens

<400> 64
 gggcagcttg tactcggagt acctgaacc 29

<210> 65
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 65
 gggcagcuug uacucggagu accugaacc 29

<210> 66
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 66
 ggcagcttgt actcggagta cctgaaccc 29

<210> 67
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 67
 ggcagcuugu acucggagua ccugaaccc 29

<210> 68
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 68
 gaggcgggtc gggaccccg ggcaccacc 29

<210> 69
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
siRNA sequence

<400> 69

gaggcggguc gggacccccg gccaccacc

29

<210> 70

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Combined DNA/RNA Molecule:
Synthetic hairpin construct

<220>

<223> Description of Artificial Sequence: Synthetic
hairpin construct

<400> 70

gttcaggtac tccgagtaca agctgcccag aagcuugtgg gcagcttgta ctcggagtac 60
ctgaacuu 68

<210> 71

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
model nucleotide sequence

<400> 71

gttcaggtac tccgagtaca agctgcccag aagcttgggc gcagcttgta ctcggagtac 60
ctgaactttt tt 72

<210> 72

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 72

aaaaaagttc aggtactccg agtacaagct gccacaagc ttctgggcag cttgtactcg 60
gagtaccta ac 72

<210> 73
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 nucleotide hairpin sequence

<400> 73
 aaaaaagttc aggtactccg agtacaagct gccacaagc ttctgggcag cttgtactcg 60
 gagtacctga acggtgtttc gtcctttcca caa 93

<210> 74
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 primer

<400> 74
 aaaaaagggtt caggtactcc gagtacaagc tgccccaagc ttcgggcagc ttgtactcgg 60
 agtacctgaa ccggtgtttc gtcctttcca caa 93

<210> 75
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 75
 gggcagcttg tactcggagt acctgaacc 29

<210> 76
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 primer

<400> 76
 aaaaaagggt tcaggtactc cgagtacaag cggcccaagc ttcggcagct tgtactcgga 60
 gtacctgaac ccggtgtttc gtcctttcca caa 93

<210> 77
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 77
 ggagcttgt actcgagta cctgaaccc

29

<210> 78
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 78
 aaaaaaggtg gtggcccggg gtcccgaccc gcctccaagc ttcgaggcgg gtcgggaccc 60
 cgggccacca ccggtgtttc gtcctttcca caa 93

<210> 79
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 79
 gaggcgggtc gggaccccg ggcaccacc

29

<210> 80
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 80
 tggagtcggg gctgctgcgg ccggcgccg

29

<210> 81
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 81
 uggagucggg gcugcugcgg ccggcgccg

29

<210> 82
 <211> 29
 <212> RNA
 <213> Homo sapiens

 <400> 82
 ggagucgggg cugcugcggc cggcgccgg 29

 <210> 83
 <211> 29
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

 <400> 83
 ggggaauagg augaacaaga uccugcccg 29

 <210> 84
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <400> 84
 gagtcggggc tgctgcggcc ggcgccggt 29

 <210> 85
 <211> 29
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

 <400> 85
 gagucggggc ugcugcggcc ggcgccggu 29

 <210> 86
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <400> 86
 ggactctggt atcagaaccg gctgcagac 29

<210> 87
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 siRNA sequence

<400> 87
 ggacucuggu aucagaaccg gcugcagac

29

<210> 88
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Combined DNA/RNA Molecule:
 Synthetic hairpin construct

<220>
 <223> Description of Artificial Sequence: Synthetic
 hairpin construct

<400> 88
 gtctgcagcc ggttctgata ccagagtccg aagcuuggga ctctggtatc agaaccggct 60
 gcagacuu 68

<210> 89
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 nucleotide model sequence

<400> 89
 gtctgcagcc ggttctgata ccagagtccg aagcttggga ctctggtatc agaaccggct 60
 gcagactttt tt 72

<210> 90
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 90
 aaaaaagtct gcagccgggt ctgataccag agtcccaagc ttcggactct ggtatcagaa 60
 ccggctgcag ac 72

<210> 91
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 nucleotide hairpin sequence

<400> 91
 aaaaaagtct gcagccgggt ctgataccag agtcccaagc ttcggactct ggtatcagaa 60
 ccggctgcag acgggtgttc gtcctttcca caa 93

<210> 92
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 92
 aaaaaagacg atgacctcgc tcaccggcgc cggcccaagc ttcggccggc gccggtgagc 60
 gaggtcatcg tcgggtgttc gtcctttcca caa 93

<210> 93
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 93
 ggccggcgcc ggtgagcgag gtcacgctc 29

<210> 94
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 94
 aaaaaaggac gatgacctcg ctcaccggcg ccggccaagc ttcgccggcg ccggtgagcg 60
 aggtcatcgt ccgggtgttc gtcctttcca caa 93

<210> 95
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 95
 gccggcgccg gtgagcgagg tcatcgctcc 29

<210> 96
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 96
 aaaaaagcgc ccccgactgg agacggggcg gggcccaagc ttcggcccgc gcccgctctcc 60
 agtcgggggc gcggtgtttc gtcctttcca caa 93

<210> 97
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 97
 ggcccgcgcc cgtctccagt cggggggcgc 29

<210> 98
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 98
 aaaaaagtct gcagccgggt ctgataccag agtcccaagc ttcggactct ggtatcagaa 60
 ccggctgcag acggtgtttc gtcctttcca caa 93

<210> 99
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 99
ggactctggt atcagaaccg gctgcagac